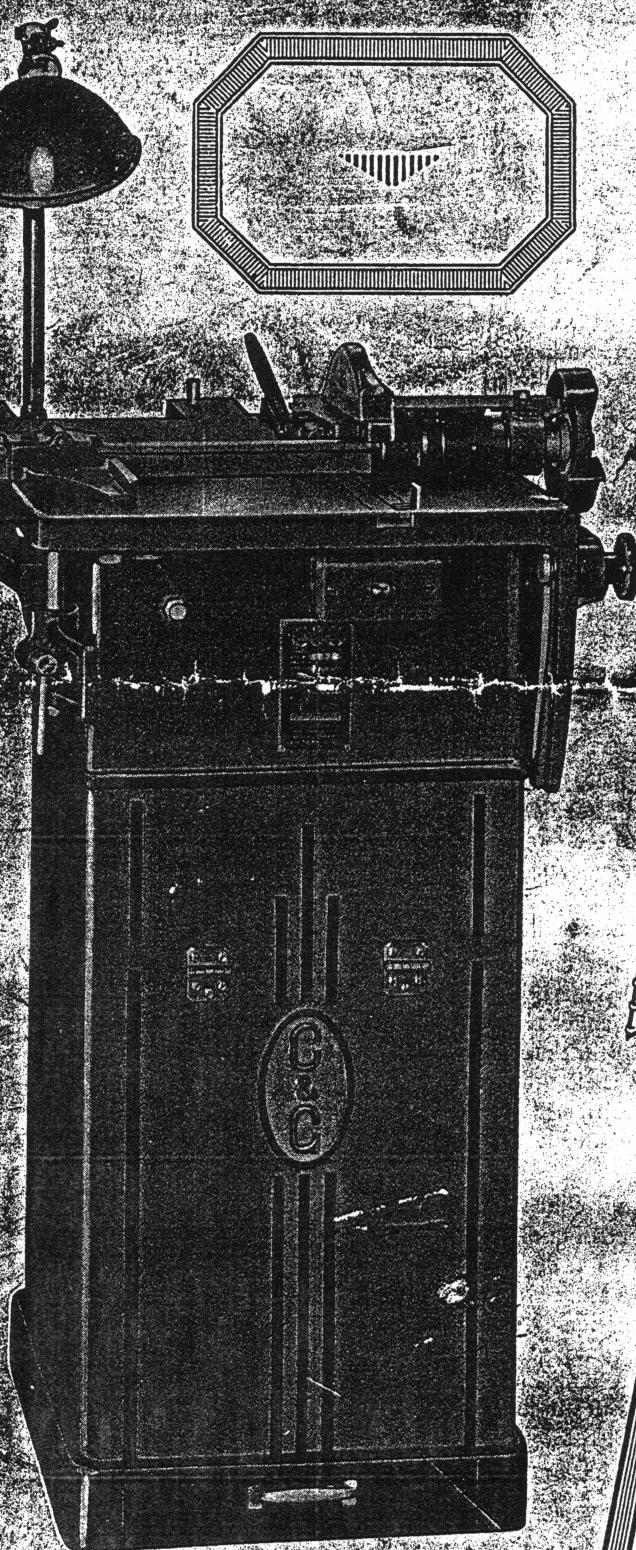
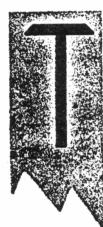


See page 5



C&G No. 3-A Deluxe Model
Saw Trimmer

C&G No. 3-A Deluxe Model Saw Trimmer



HIS new model, designed and manufactured by the Milwaukee Saw Trimmer Corporation, Milwaukee, Wisconsin, is the last word in saw trimmers—the acme of perfection and utility. Not only speed, but precision, simplicity and economy of operation are incorporated into it. Its many time-saving features place it far in advance of other saw trimmers, because it outperforms all others on the market.

Engineered to eliminate waste motion, and constructed of the finest materials, you will find the conveniences you have always wanted embodied in this machine. The gauges can all be set in less than two minutes time to even closer than one-thousandth inch accuracy, eliminating lost motion and guess work.

Ideas and suggestions submitted by many practical printers have contributed largely to the outstanding utility of C&G equipment. When sawing material on C&G saw trimmers, it is placed in front of the gauge frame, a feature especially approved by users. They find it more convenient for the operator, and exceptionally safe, as their hands are protected by the gauge frame as well as the saw guard. Saw and emery wheel are well guarded, being exposed only enough to allow proper handling of work. Every possible protection to the operator is provided on C&G saw trimmers—accidents are thus avoided.

Chips and slug ends are guided into large waste receptacle enclosed in base of machine. When sawing slugs or strip material the chips are so controlled that floor is kept exceptionally clean. This results in a substantial saving of metal, and eliminates a messy floor condition around the saw trimmer.

The 73-Pica Gauge is adjustable to picas, points, and fractional points, and is constructed to handle any overhanging display slugs. Pica End Gauge is relieved at the bottom so that chips cannot interfere with the work to be sawed. Vise is quick acting and clamps measures as short as nine points. Regular Vise Bar clamps work to $7\frac{1}{2}$ inches and the Extension Vise Bar increases this range to 16 inches.

Saw Mandrel has ball bearing construction, eliminating any chance of end-play. Drive is V-belt, and motor can be adjusted to take up slack in it. Saw Guard has clamp friction to assure it maintaining any position desired. Sub-Table positions itself flush with top of regular table, as there are no ledges where chips can accumulate. An automatic oiler keeps a fine film of oil on saw blade preventing the blade from leading, and also adding to its cutting efficiency.

Switch is handy to the operator, and wiring enclosed in conduit. Convenient outlet boxes are provided for easy



line installation. Ten foot cord and plug furnished for light circuit installation. Adjustable lighting fixture provides adequate light where needed. Small details on C&G equipment are given careful attention. The No. 3-A Saw trimmer is built to precision and operates the same.

Many firms are replacing their complete battery of old saw trimmers at one time with these new modern machines, securing for themselves efficiency, and eliminating costly up-keep. Every C&G product is performance-guaranteed. Any compromise with accuracy and safety in selecting a saw trimmer can result only in ultimate dissatisfaction.

C&G saw trimmers make no compromise with accuracy and safety. They are constructed of longest wearing materials, and all working parts are safely guarded.

Sturdiness of construction and low cost of operation is evidenced by reports from many users throughout the country. Parts replacements is negligible, and cost of operation confined almost exclusively to actual power required to run machine. Where possible wear might effect cut, trim and miter, adequate provisions have been made to take care of these adjustments.

Illustrations on pages 6 and 7, show attachments for handling a complete range of work, and the simplicity of their application. Your particular requirements govern the choice of these attachments.

If your present equipment is old and obsolete, you are paying for one of these new No. 3-A C&G Saw Trimmers with lost time.

Improved C&G Angle Gauge

Today advertisers are demanding layouts at every conceivable angle in their composition, and the Improved C&G Angle Gauge will enable you to handle that work at a considerable saving of time.

Protractor markings graduated to cut angles from 2 to 88 degrees with positions indicated for cutting three, four, five, six and eight sided figures. Angles from one pica to 13 inches in length can be cut on strip materials of any length up to 72 points wide. For cutting wood blocks or plates the angle gauge may be positioned at any point on the gauge bar with a definite stop provided for extreme right position. (See illustration page 7). Angles may be predetermined on copy or plates with any flat protractor. All figures pictured on front cover were cut with a C&G ANGLE GAUGE.

Miter and Line-up Gauge

The Miter and Line-up Gauge has a number of uses. It basically sets all of the gauges accurately, and definitely registers all rule sizes, up to 72 points wide for miter-

ing. Lines up odd indentations so that five inches of slugs can be sawed at one time. Display slugs regardless of size, such as cast on Ludlow, All Purpose Linotype, and Inter-type can be registered for separating words or characters. It also affords a definite straight edge for lining up plate matter. Gauge may be adjusted to three positions up and down — first, for mitering; second, for lining up plate matter; third, for registering display slugs or aligning odd indentations. The sawed part of slug remains on sub-table. Micrometer adjustment permits definite movement from right to left. Shown on page 7.

C&G Standard Miter Vise and Miter Gauge

A definite system of setting gauges and trimmers on the No. 3-A C&G Saw Trimmer insures absolute accuracy in straight trimming or in mitering. C&G Miter Vise and Miter Gauge are standard equipment. Their use insures perfectly joining corners, accurate in length. It can be attached and positioned in a few seconds. One

to twelve miters, according to the thickness of the strip material, may be made in a single operation. Mitering on the No. 3-A C&G Saw Trimmer is fast and easy.

Right and Left Hand Miter Vise

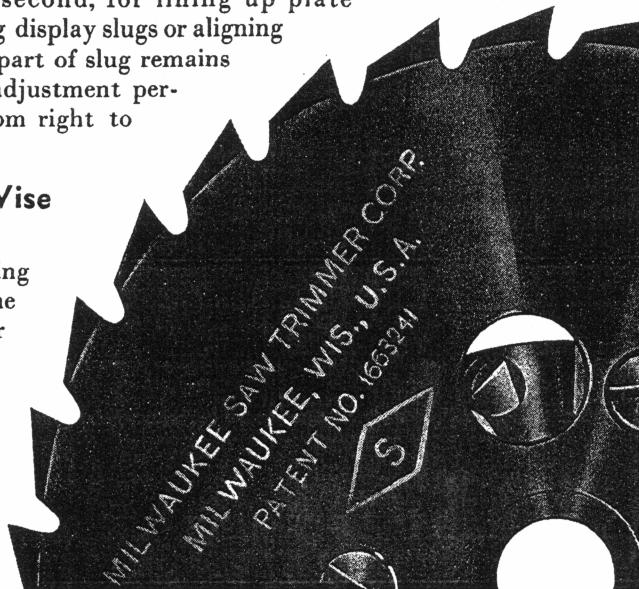
This device permits the cutting of right and left hand miters without turning the rule face down on the table top. It eliminates any possibility of damaging the face of rule during mitering operation, and was developed at the request of users of C&G Saw Trimmers. It is particularly valuable to printers doing highest grade work. It may be used on all outstanding C&G Saw Trimmers.

Universal Saw Grinding Attachment

The Universal Saw Blades can be used in cutting all composing room materials. It is a practical all-purpose blade and with the grinding attachment can be sharpened on the machine in three minutes. The Oiling Device feeds a fine film of oil to the blade insuring free cutting and prolonging the life of the highly tempered blade. The Universal saw blade and grinding attachments soon pay for themselves by direct savings over standard blades that must be swaged and filed.

Trimmer Grinder

Positive accuracy on the saw trimmer can be obtained only when the trimmers are sharp and in good condition. The Trimmer Grinder makes it easy to keep trimmers sharp. The attachment definitely positions the trimmers for the



C & G Universal Saw Blade

grinding operation and insures the proper cutting angles while sharpening. Several sets of trimmers may be sharpened in a few minutes. The Trimmer Grinder is easy to operate and requires no special experience. It is equipment that will save its small investment many times. It may be placed on outstanding machines.

Low Slug Attachment

Short lines cast on long slugs have a tendency to print despite careful makeready and proper packing. The C&G Low Slug Unit offers the practical method of cutting down high shoulders on quad ends of slug lines. Seven ten point slugs are positioned at one time and quickly sawed close to line, regardless of indentation length, eliminating all chance of spoilage. A galley of slugs may be cut down in a surprisingly short time. The Low Slug Attachment is C&G labor saving equipment and is supplied at a slight additional cost. It will pay back its original investment in a short time.

Your Requirements

Your particular needs govern the choice of accessories. This machine with its complete range of accessories handles all types of sawing operations now found in composing rooms. Plain straight sawing, angle work, aligning odd indentations, cutting down high shoulders on slugs, exceptional long measures and many other types of work all are handled efficiently. The attachments are unit priced and can be added to or eliminated according to the purchasers desires. You pay only for the equipment actually needed. Obsolete saw equipment now in use in many composing rooms is now taking a heavy toll on the companies' profits. Most composition must be sawed and compositors' labor saved on handling this work efficiently will run into large amounts even over a year's time. Compositors paid by the hour need save only a few moments each day to pay handsome dividends on a new Saw Trimmer investment.

Our Guarantee

C&G manufacture has been on the market more than sixteen years. Hundreds of C&G Saw Trimmers are in daily use throughout the United States and foreign countries in newspaper composing rooms, trade plants, and commercial printing offices, and every user is a satisfied one. Every C&G product is performance-guaranteed, and you can place your order with an understanding that you have the privilege to return equipment within ten days should you find it in any way misrepresented by us, and any money paid on same will be refunded.

Miscellaneous Information

When mitering, rules are first sawed and trimmed to proper length, then positioned in Right and Left Hand Miter Vise for face-up mitering. The graduated Miter Gauge registers rules of any point thickness so that they can be mitered without reducing their length.

Saw Arm has positive positions for all normal sawing operations, and can be raised or lowered instantly for any depth of undercutting. It can be elevated to clear table top for removing saw blade.

To obtain fractional measurements turn dial at left of machine. Fractional screw runs entire length of gauge and is graduated to points. One complete turn of dial equals one pica or 12 points.

Universal saw blades have a straight face, and must be used only on Universal saw heads. Standard blades have a tapered face, and must be used on a Standard saw head.

Shell plates require a smooth table top. A slot bar can be furnished for No. 3-A machine at slight additional cost.

When Miter and Line-up Gauge is purchased with No. 3-A machine credit will be allowed on Standard Miter Gauge.

Motors are long hour duty, and if machine is equipped with 110 AC or DC current, standard lights can be used in the lighting fixture.

To adjust motor bracket, should the belt stretch in time, loosen the four motor base bolts and pull motor back to proper belt tension; then refasten.

When ordering new C&G saw trimmer equipment be sure to state voltage and kind of current used—it will save delay.

All castings used in C&G saw trimmers are heat treated, which prevents distortion.

SPECIFICATIONS

Size of table.....	30 in. x 18 in.
Height from floor.....	37½ in.
Net weight.....	387 lbs.
Shipping weight, domestic.....	525 lbs.

Deluxe Equipment

73-pica gauge and workholder, 135-pica extension gauge, both adjustable to points, miter and lineup gauge, right and left hand miter vise, saw grinder with emery wheels and guard, trimmer grinder, Universal saw blade assembly with head and trimmers, extra Universal saw blade, extension vise jaw bar, No. 20 waste receptacle, adjustable lighting fixture, screw driver, two wrenches, $\frac{1}{3}$ H.P. motor with pulley, belt and cord for either 110 or 220 volt, A.C. or D.C. current.

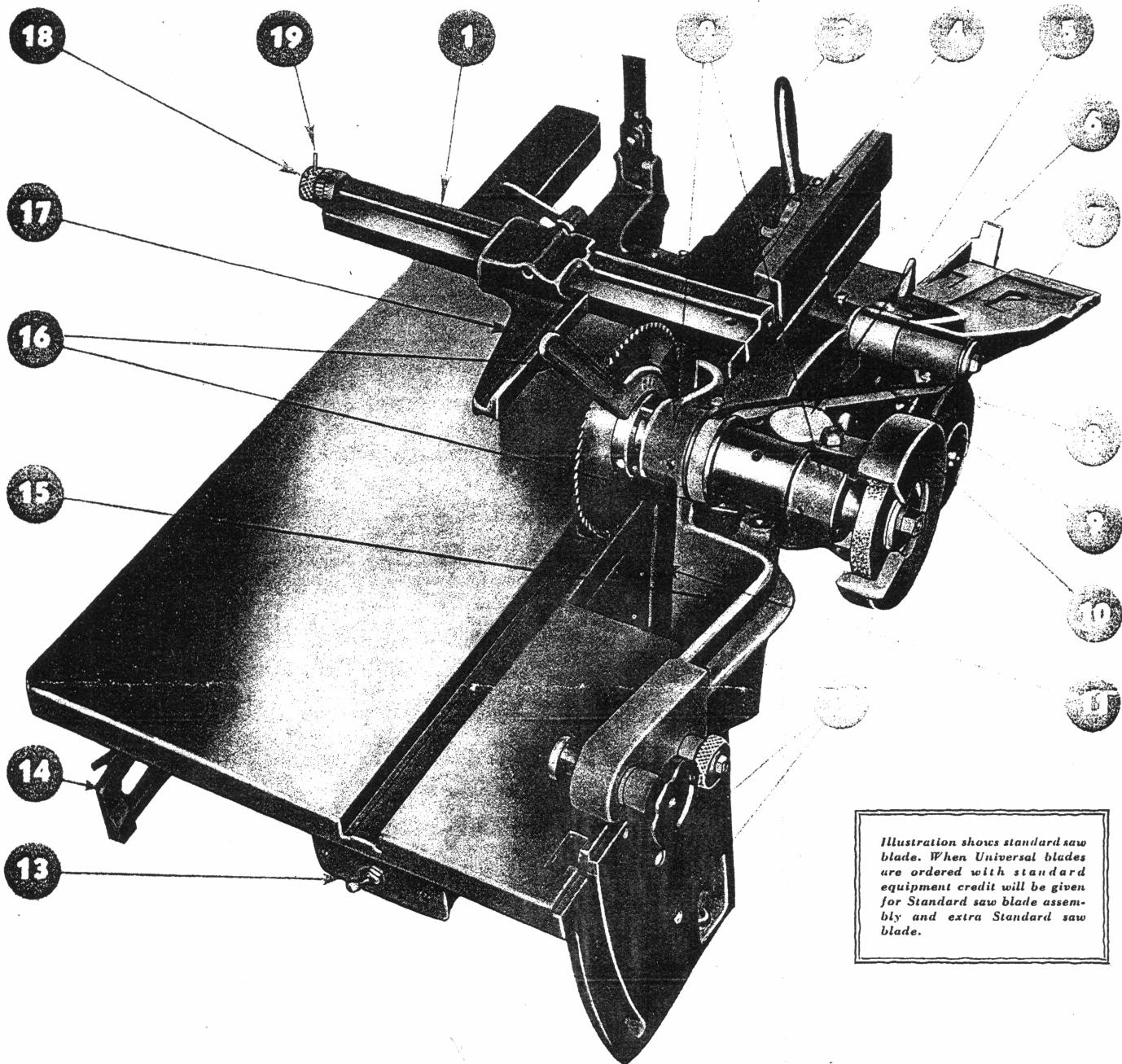
Standard Equipment

73-pica gauge and workholder, emery wheel and guard, miter gauge, right and left hand miter vise, standard 6 inch saw blade assembly with head and trimmers, extra standard saw blade (64 swaged teeth), No. 20 waste receptacle, adjustable lighting fixture, screw driver, two wrenches, $\frac{1}{3}$ H.P. motor with pulley, belt and cord for either 110 or 220 volt, A.C. or D.C. current.

FEATURES

- 1 73 Pica Gauge. Gauge frame is constructed to handle the largest overhang display slugs. Antifriction device and roller construction assures easy movement. Pica or point measures set quickly and positively. No heavy table to push.
- 2 Spindle is highest grade ball bearing construction. Ample oiling facilities are provided.
- 3 One motion of the locking lever securely locks material for sawing.
- 4 Vise is quick acting and positive. It clamps up to 42 picas.
- 5 Plate matter up to 16" can be clamped and sawed by using Extension Vise Jaw Bar. Measures as short as nine points may be clamped and sawed quickly and easily.
- 6 Lubricating device in the saw arm feeds oil through felt wick to the side of the saw blade, preventing metal from adhering to saw teeth.
- 7 Saw Guard almost completely encloses saw. Guard is provided with self-adjusting friction to hold it at any desired position.
- 8 Sub-table automatically positions itself when saw is raised or lowered.
- 9 Motor is $\frac{1}{3}$ HP, long hour duty, insuring ample power for any sawing.
- 10 V-Belt Drive. This modern drive insures maintained pull and power during sawing operations.
- 11 Emery wheel guard gives utmost protection against accidental contact while sawing or miting.
- 12 Flying chips are eliminated when cutting slugs or strip materials by construction of saw arm which guides the chips into large wheeled waste receptacle housed within the base.
- 13 Two steel bushed holes, taking an index pin, provide definite positions for cutting and trimming slugs or sawing cuts. Any position for under cutting may be obtained quickly by movement of the balanced lever. Position is quickly set by a single turn of hand nut.
- 14 Switch is handy to operator. Wiring is enclosed in conduit. Convenient outlet boxes are provided for easy installation. Wiring will pass inspection anywhere.
- 15 Extension gauge swings under the table when not in use, or it may be left at gauging position. It is always convenient to the operator.
- 16 Ball Bearing Spindle Bracket, Motor Bracket, and Clamp Arm are all one casting. This sturdy construction insures permanent alignment.
- 17 Spindle lock and spanner wrench facilitate removal of saw blade assembly from spindle.
- 18 Pica End Gauge is instantly adjustable to picas. Movement is easy. Mechanism is sturdy.
- 19 Fractional point adjustments are easily obtained with micrometer dial. One full turn of dial moves end gauge one pica.
- 20 Six point indicator provides quick and accurate setting for these measures.

• VISE IS QUICK ACTING AND POSITIVE • SAW BLADES CAN BE CHANGED IN A JIFFY •



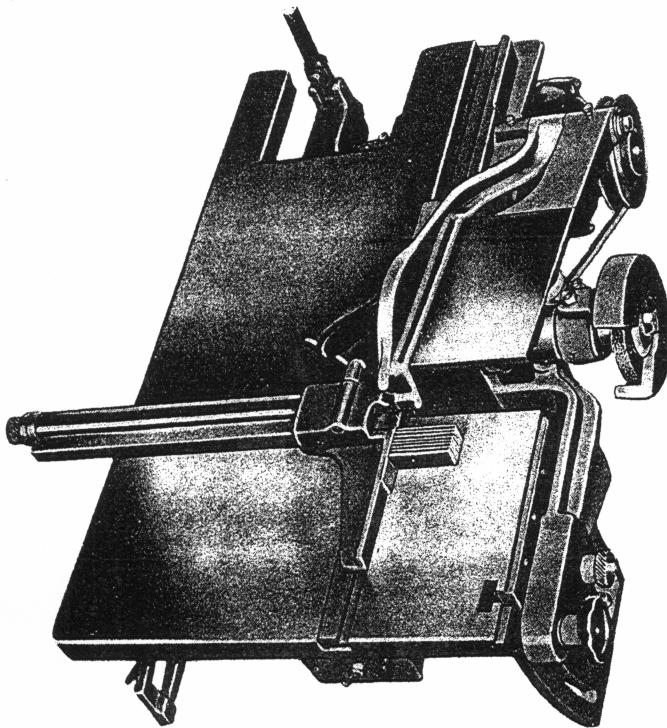
C&G Universal Saw Blades

(Patented)

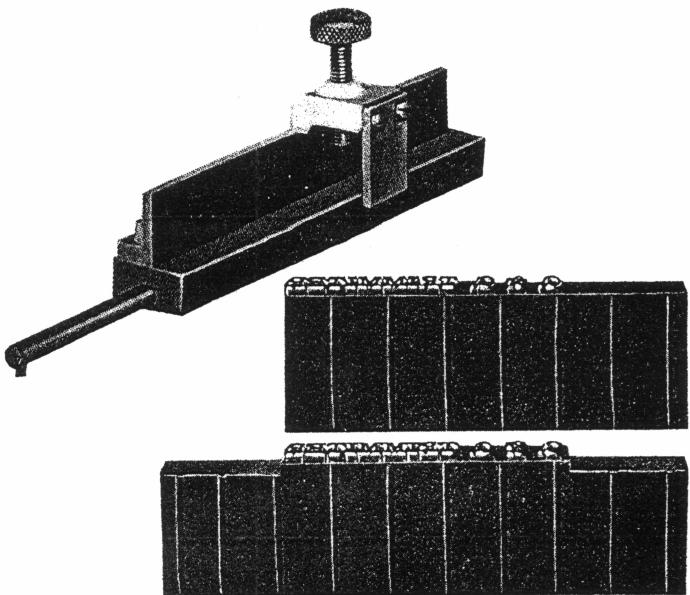
Made from high speed tool steel, and exclusive for C&G saw trimmers. Have thirty formed teeth, and due to their shape the side clearance is maintained during its life. In addition to cutting linotype and stereotype metal they can be used for zinc, brass, copper and wood. Stay sharp much longer when cutting softer materials than the regular standard swaged-tooth blades, and with the use of the Saw and Trimmer grinding attachments, which are included in the deluxe equipment, can be sharpened on machine in a few moments, thus saving their purchase price in a very short time in outside saw blade servicing. A leading typographer says: "The Universal saw blade and sharpener is the greatest improvement for sawing ever produced for the printing industry."

• PAY FOR THEMSELVES IN SAVINGS MADE • BUILT TO PRECISION, OPERATE THE SAME •

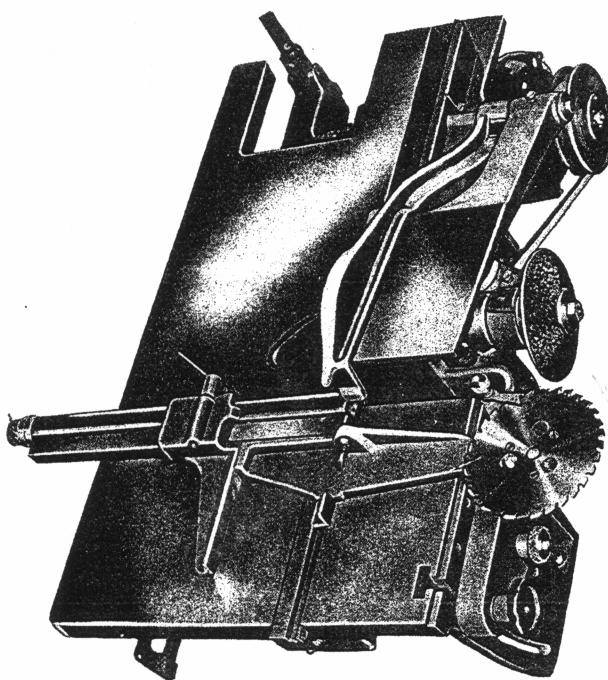
• IDEAS OF PRACTICAL PRINTERS HELPED TO BUILD THIS UP-TO-THE-MINUTE SAW TRIMMER •



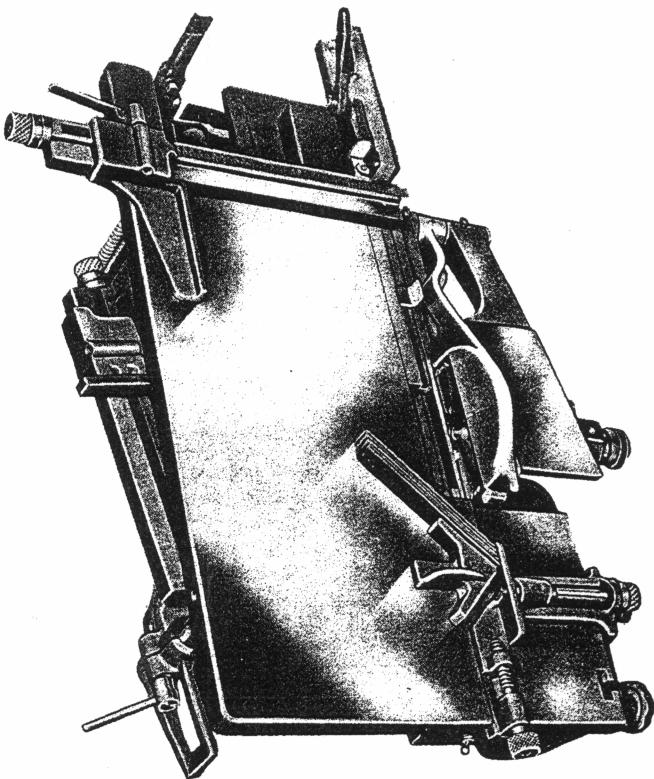
Maximum safety is essential to high-speed production. Saw and emery wheel are almost completely enclosed by guards. Positive work holder permits sawing of slugs as little as 9 points in length. Slugs of 9 points or larger may be trimmed lengthways.



The C&G Low Slug attachment aligns and holds slugs for cutting down high shoulders on short or centered lines. The illustration above shows the attachment, and slugs before and after sawing. Attachment fits in regular vise channel. It operates simply and easily.



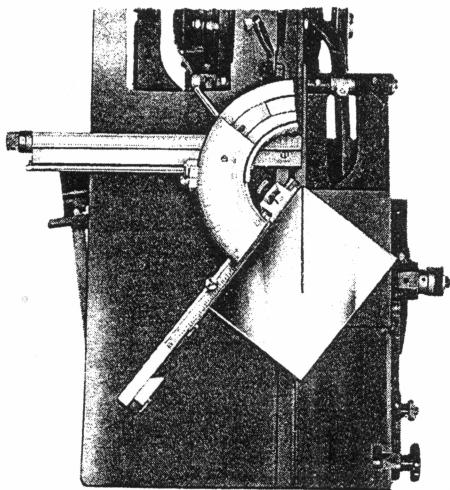
Universal Saw Blade Assembly includes a special Saw Grinding Attachment and Emery Wheel. Universal blades are made of high speed steel for cutting all composing room materials. With the C&G Saw Grinding Attachment the Universal blade may be sharpened in 3 minutes.



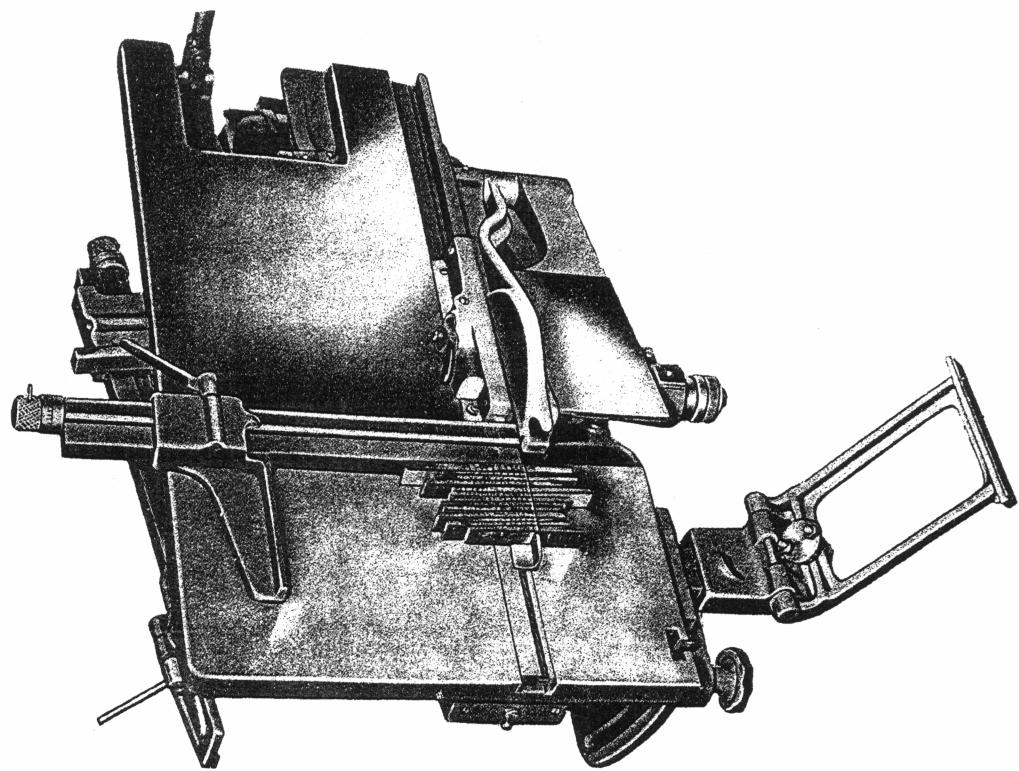
The New Right and Left Hand Miter Vise permits face up mitering of rules of any length. C&G Miter Gauge, an exclusive C&G feature, establishes absolute accuracy in mitering. Illustration shows rules in position for mitering. Several rules may be mitered at one time.

• GRINDING ATTACHMENTS SOON SAVE THEIR COST IN OUTSIDE SAW BLADE SERVICING •

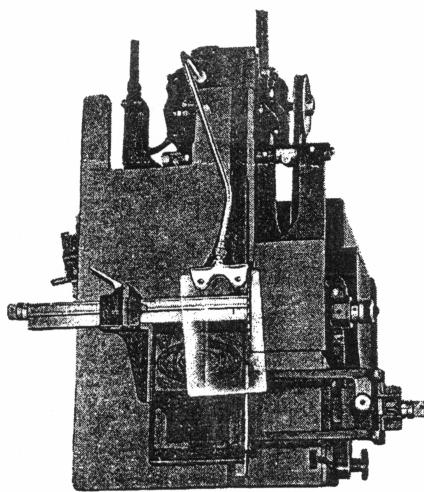
• MOTOR IS ADJUSTABLE FOR BELT TENSION • SAVES LOST MOTION AND LOST EFFICIENCY •



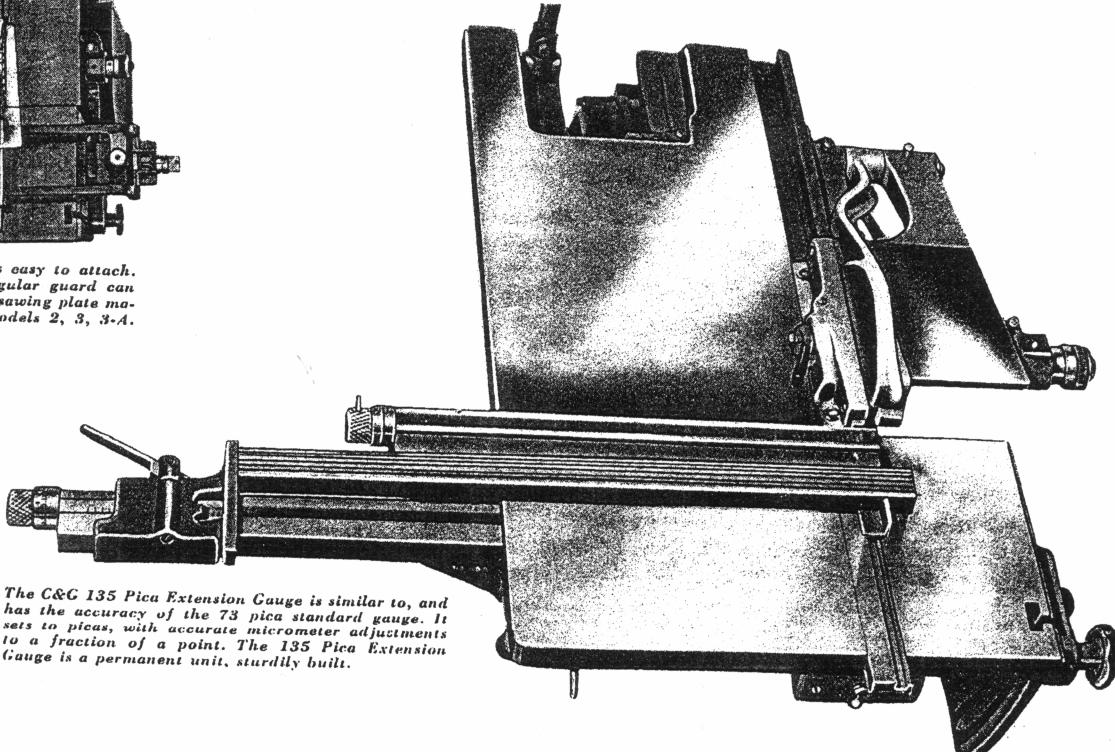
Angle Gauge in position for cutting. Clamping provided for strip materials to lengths as short as one pica, and of all widths to 72 points. Handles angles from 2 to 88 degrees. Applied only to No. 3 and 3-A.



The C&G Miter and Lineup Gauge facilitates quick alignment of slugs of variable face lengths without necessity of sawing each measure separately. In the illustration, slugs have been lined up and are ready for sawing. Positive vise holds the slugs in position.



See-Through Guard is easy to attach. Swivels to side so regular guard can be used. Handy when sawing plate materials. Applies on Models 2, 3, 3-A.

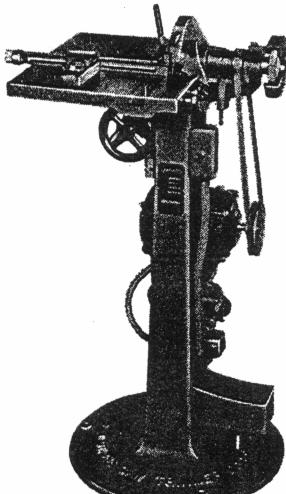


The C&G 135 Pica Extension Gauge is similar to, and has the accuracy of the 73 pica standard gauge. It sets to picas, with accurate micrometer adjustments to a fraction of a point. The 135 Pica Extension Gauge is a permanent unit, sturdily built.

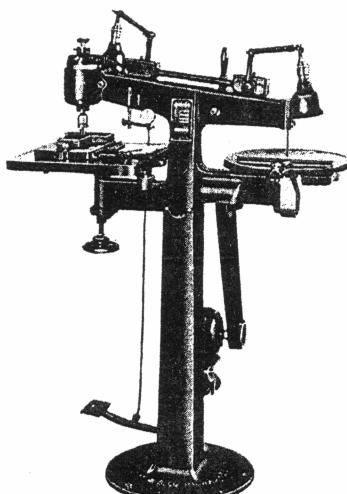
• C&G TRADE MARK A SYMBOL OF QUALITY • LEADING DEALERS SELL THIS EQUIPMENT •



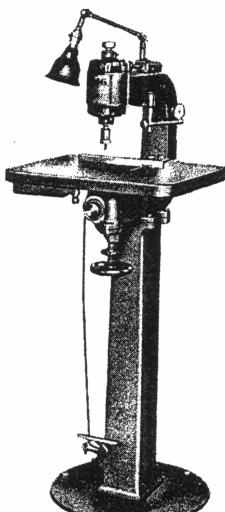
Other C&G Composing Room Equipment



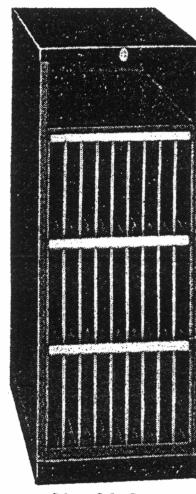
No. 2 Saw Trimmer



Router, Jigsaw and Type High



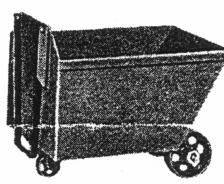
Router and Type High



No. 22 Strip Material Cabinet



No. 20
Waste Receptacle



No. 21
Waste Receptacle

No. 2 C&G Saw Trimmer

For accuracy and speedy sawing, trimming and mitering, this machine has proved its efficiency in many composing rooms. Easy sliding gauge, positive material vise, and adjustable point gauge, are important features, in addition to safety of operator at all times. It accommodates all regular sawing and trimming within its range, and the table top is readily adjustable to any position for undercutting and outside mortising. Flexibility increased with special attachments.

C&G Router, Jigsaw and Typehigh Machine

This machine can be used by two operators at the same time. It has many purposes and eliminates the need for sending plates out for mortising, patching, or routing, and solves the problem of changing key numbers. It also planes cuts to exact type-height, routs and drills, and makes inside or outside mortises. Accurately cuts unusual shapes, circles and ovals from flat zinc, electrotypes, or tint blocks. It makes tedious operations easy, and saves its cost in time.

C&G Router and Typehigh

Built for those who have but infrequent use for a jigsaw. If an office has even a moderate amount of mortising and irregular cutting, they should choose the complete Router and Jigsaw. Drilling, routing, and type-high planing operations are the same for either machine. It is fast, accurate and safe.

C&G Strip Material Cabinet

Every saw trimmer owner can use this cabinet to advantage. Speeds production, places strip material where it belongs. Built of heavy sheet steel, height 34", length 24½", width 13". Holds over 2000 pounds of metal and can be used with any saw trimmer. Top makes convenient work bench, and opening at top can be used for tools, or additional strip and basing material.

C&G Waste Receptacles

No. 20—16" high, 16" long, 11" wide, and the handle swivels to a height of 26". Made of heavy sheet steel, has capacity of 1467 cubic inches. No. 21—14" high, 19" long, 13½" wide; made of same material as the No. 20; capacity 2000 cubic inches. Back wall from which handle projects is 16" high, and handle swivels to height of 26". The No. 20 is regular equipment with No. 3-A C&G Saw Trimmer.

Descriptive literature furnished upon request.

MILWAUKEE SAW TRIMMER CORPORATION

610-612 East Clybourn Street, Milwaukee, Wisconsin

